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(21) International Application Number: PCT/US98/25742 (22) International Filing Date: 4 December 1998 (04.12.98) (30) Priority Data: 60/067,596 5 December 1997 (05.12.97) US (71) Applicant (for all designated States except US): THE GOVERNMENT OF THE UNITED STATES OF AMERICA represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES [US/US]; Bethesda, MD 20892 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): KASLOW, David, C. [US/US]; 4405 Woodfield Road, Kensington, MD 20895-4235 (US). TSUBOI, Takafumi [JP/JP]; 1246-1, Hinokuchi, Shigenobu-cho, Ehime 791-0202 (JP). TORII, Motomi [JP/JP]; 199-6, Asoh, Tobe-cho, Ehime 791-2114 (JP). (74) Agents: EINHORN, Gregory, P. et al.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (US).			(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: VACCINES FOR BLOCKING TRANSMISSION OF <i>PLASMODIUM VIVAX</i>			
(57) Abstract The present invention relates to novel methods and compositions for blocking transmission of <i>Plasmodium vivax</i> which cause malaria. In particular, Pvs25 and Pvs28 polypeptides, variants, including deglycosylated forms, and fusion proteins thereof, are disclosed which, when administered to a susceptible organism, induce an immune response against a 25 kD and 28 kD protein, respectively, on the surface of <i>Plasmodium vivax</i> zygotes and ookinetes. This immune response in the susceptible organism can block transmission of malaria.			